

ABSTRACT

A system and method for communicating signals over a noisy channel is provided wherein an input signal may be sampled and modulated to make the signal more noise insensitive. In accordance with one embodiment of the invention, an signal code modulation (SCM) scheme may be used wherein digital and analog signals representing the original signal are generated. In another embodiment, an original modulated signal may be demodulated and then remodulated using a more robust modulation scheme. The system may be used to a variety of applications including wireless internet access.